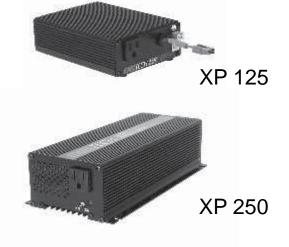




Manufacturer of True Sine Wave Power Inverters and Related Products

XP SERIES POWER INVERTERS



Made in America, EXELTECH XP SERIES INVERTERS are the most affordable, reliable, lightweight and best regulated, true sine wave inverters available. The XP SERIES inverter will operate any AC load anywhere. Ultra lightweight, yet rugged enough for the most extreme mobile environments, the XP SERIES is available in 100Vac, 120Vac, or 230Vac in 50Hz, 60Hz or 400Hz for land, marine or military applications, worldwide.



TRUE SINE WAVE



125 WATTS TO 2000 WATTS



12VDC TO 108VDC INPUT



- **RACK MOUNT OPTIONAL**
- REMOTE SWITCHING
- 21.5 YEARS MTBF

XP SERIES PART NUMBERING SYSTEM

EXELTECH XP SERIES XP MODEL NUMBER Step 1: Model number always starts with XP. **Step 2:** To designate wattage enter the single character code 1 for 125, 2 for 250, 6 for 600, K for 1100, X for 2000 Step 3: To designate output voltage enter the single character code from the Vac chart Vac OUTPUT VOLTAGE CHART AC Volts 100 120 230³ Designation 0 1 3
Not available in 125watt models Step 4: To designate input voltage enter the single character code from the Vdc chart Vdc INPUT VOLTAGE CHART 12 24 32 48 66 DC Volts **Step 5:** Output frequency is designated by using the first number of the frequency -5 for 50Hz, 6 for 60Hz and 4 for 400 Hz

Step 7: To designate option, enter the code from the option chart below. If no option is required please leave it blank.

OPTION CHART		
Option	Code	
Conformal coating	07	
Low idle current drain	02*	
Circuit board with heat sink only	04**	
50MS transfer relay	20***	

Step 6: This designates revision level (For EXELTECH use only).

* available thru a distributor only(only on XP1100W)

available for OEM's only *available on XP600 and XP1100 only

EXAMPLE: XP600 with 117Vac output, 12Vdc input, 60Hz with the conformal coating option would require the following model number: XP6-1-1-6-1-07



XP SERIES POWER INVERTER SPECIFICATIONS

OUTPUT POWER

CONTINUOUS POWER	SURGE POWER	NO LOAD POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	WEIGHT LBS.
125W	150W	5W	100 +/-6%	1.2	2
125W	150W	5W	117 +/-6%	1.1	2
250W**	300W	6W	100 +/-6%	2.5	5
250W**	300W	6W	117 +/-6%	2.1	5
250W**	300W	7W	230 +/-6%	1.1	5
600W**	1100W	8W	100 +/-6%	6.0	6.5
600W**	1100W	8W	117 +/-6%	5.1	6.5
600W**	1100W	9W	230 +/-6%	2.7	6.5
1100W**	2200W	20W*	100 +/-6%	11.0	10
1100W**	2200W	20W*	117 +/-6%	9.5	10
1100W**	2200W	20W*	230 +/-6%	4.8	10
2000W	4000W	12W	100 +/-2%	20.0	15
2000W	4000W	12W	120 +/-2%	16.7	15
2000W	4000W	12W	230 +/-2%	8.7	15

^{*10}W with X2 option, **remote switchable

INPUT POWER

MODEL VOLTAGE	MINIMUM ¹ (TYPICAL)	SYSTEM (TYPICAL)	MAXIMUM ¹ (TYPICAL)	TYPICAL EFFICIENCY @ FULL POWER	PEAK EFFICIENCY @ 1/3 POWER
**12V	10.4/10.6*	13.8V	16.5V	85%	87%
24V	19/21V*	27.6V	33V	87%	89%
32V	26.5/28V*	36.8V	44V	88%	90%
48V	41.5/42.5V	55.2V	62V	87%	89%
66V	57.5/58.5V*	75.9V	91V	88%	90%
108V	94/95V*	125V	149V	87%	90%

^{*}Indicates typical cut-off voltage/warning buzzer voltage

GENERAL

CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
WAVEFORM	-	SINUSOIDAL	-
VOLTAGE OUTPUT	-5%	NOMINAL	+5%
LINE REGULATION	-	0.1%	0.5%
LOAD REGULATION	-	0.5%	1%
DISTORTION	-	1.5%	2%
FREQUENCY	-0.1%	NOMINAL	+0.1%

See www.exeltech.com for more data regarding XP Series inverters.

MECHANICAL

Case size (HxWxD)

125W case size= 2.16" X 4.93" X 7.90"
(2 lbs)
250W case size= 2.77" X 5.23" X 12.03"
(5 lbs)
600W case size= 3.57" X 7.69" X 12.10"
(6.5 lbs)
1100W case size= 3.57" X 7.69" X 15.05"
(10 lbs)
2000W case size= 4" X 9" X 18"
(15 lbs)

OPTIONS

XP Options:

- conformal coating (07 option)
- low idle current drain (02 option)*
- circuit board with heat sink only (04 option) many other options available for OEM applications, consult factory.

PROTECTION CIRCUITRY

*Over Voltage:	Shut off at maximum input voltage, per input conditions. Automatic reset upon fault correction.
*Under Voltage:	Shut off at minimum input voltage, per input conditions
*Thermal:	105 C internal temperature. Warning buzz 5 C before shut off

Unit shuts off (manual reset)

Output Short:

ENVIRONMENTAL

-25 to 30 C full power Temperature: derated 20% per 10 C, above 30 C. Humidity: 5 to 95% non condensing -200 to 10k feet full power, Altitude: derated above 10k Audible Noise: Less than 45dbA Cooling: 600W/1100W Thermostatically controlled forced air. 125W/250W convection cooled. Finish: Painted aluminum Warranty: Full year parts labor

^{1 +/- 3% **} Output Power derated for XPX

^{*1100} watt only

^{*}Automatically reset